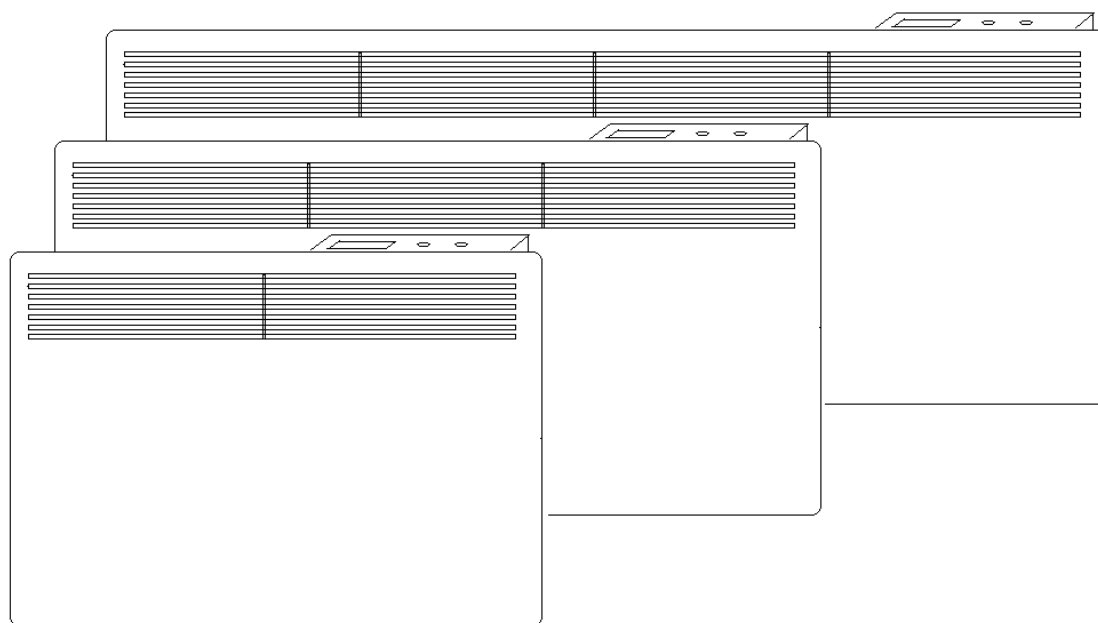


Users Manual

Panel Heater (HPB-4E)



Please read this manual carefully before use

IMPORTANT SAFEGUARDS

When using an electrical appliance, basic safety precautions should always be observed, including the following:

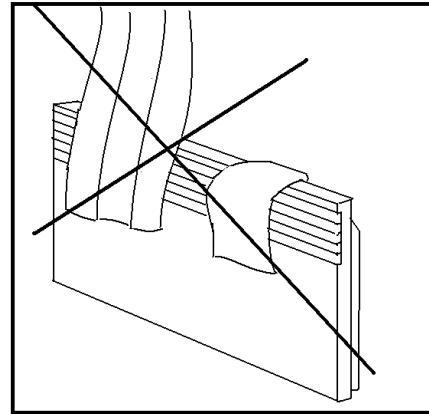
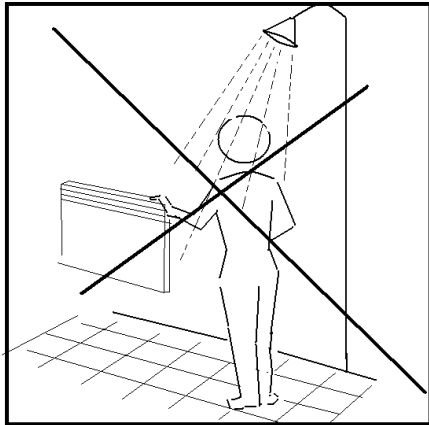
READ ALL INSTRUCTIONS BEFORE USING

WARNING: To reduce the risk of fire, electrical shock, or injury to person:

1. The product is for household use only.
2. Connect the appliance to single-phase AC supply of the voltage specified on the rating plate.
3. In order to avoid overheating do not cover the heater.
4. Never leave the heater unattended while it is in use. Always turn the product to the OFF position and unplug it from the electrical outlet when not in use.
5. Extreme caution is necessary when any heater is used by or near children, and whenever the heater is left operating and unattended.
6. The heater must not be located immediately below an electrical Socket-outlet.
7. Do not run the power flex under carpeting and do not cover. Arrange cord away from traffic area and where it will not be tripped over.
8. Do not operate the heater with a damaged flex or plug, or after the heater malfunctions, has been dropped, or damaged in any manner.
9. If the supply flex is damaged, it must be replaced by the manufacturer, its service agent or a similarly qualified person in order to avoid a hazard.
10. Avoid the use of an extension cord as this may overheat and cause a risk of fire.
11. Use the heater in a well-ventilated area. Do not insert or allow objects to enter any ventilation or exhaust opening. To prevent a possible fire, do not block air intakes or exhaust openings in any manner. Do not use on soft surfaces, like a bed, where openings may become blocked. Use the heater on flat, dry surfaces only.
12. Do not place this heater near flammable materials, surfaces or substances, as there may be a risk of fire. Keep the above flammable materials, surfaces or substances at least 1m from the front of the product and keep them away from the sides and rear.
13. Do not use the heater in any areas where petrol, paint or other flammable liquids are stored e.g. Garages or workshops as hot, arcing and sparking parts are inside the heater.
14. Don't use this heater in the immediate surroundings of a bath, a shower or any other form of water.
15. Never touch the heater with wet hand. The heater should be installed so that can not be touched by a person using a bath or shower.
16. This heater is hot when in use. To avoid burns and personal injury, do not let bare skin touch hot surfaces.
17. Before moving the heater, please unplug it and let it cool down for 15 minutes. If provided, use handles when moving the product.
18. Be sure that no other appliances are in use on the same electrical socket as your product as an overload can occur.

FOR HOUSEHOLD USE ONLY

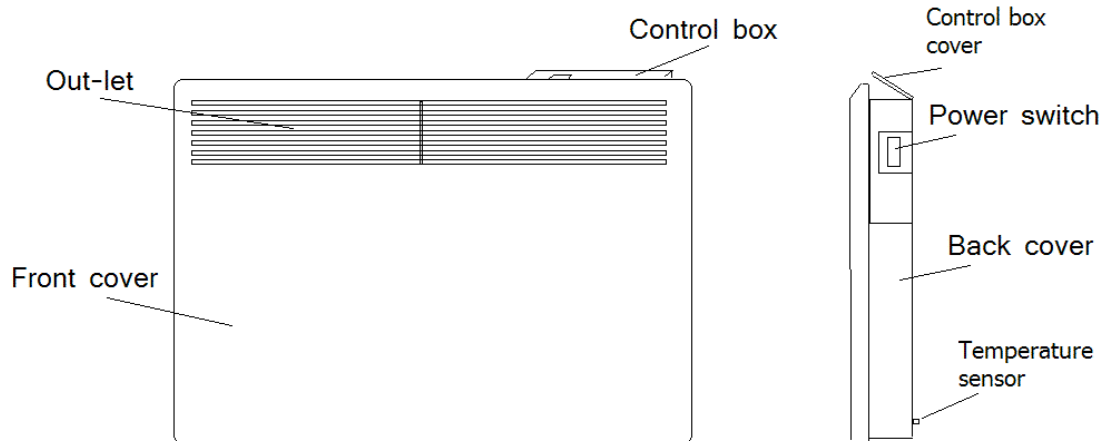
SAVE THESE INSTRUCTIONS



SPECIFICATIONS

MODEL NO	NET SIZE	RATED VOLTAGE	RATED POWER
HPB-4E	870X400X70MM	~230V/50Hz	1800W

STRUCTURE AND PARTS

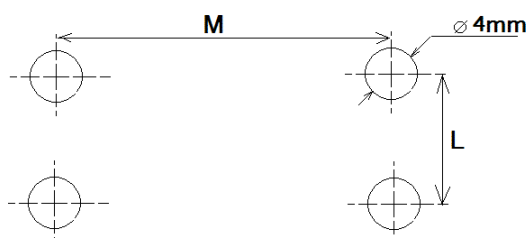


CHARACTERISTIC

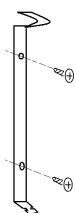
1. Over heating protection
2. Water proof IPX4
3. For wall-mount use or stand alone option
4. With digital LCD
5. Room temperature setting
6. Room temperature sensor
7. Digital clock, digital week calendar
8. Multi-running mode: daily program mode, weekly program mode, free use mode
9. anti-frost function

INSTALLATION

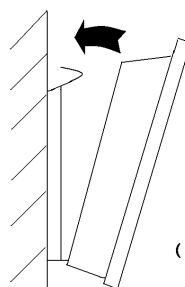
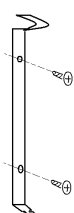
NOTE: USED AS WALL-MOUNTED ONLY



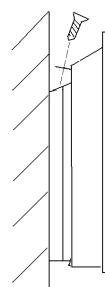
(1)



(2)



(3)



(4)

a. Drill holes on the wall according to the picture (1).

Warning: Please insure that the heater is mounted 30mm above the floor

b. Fasten the hanging rack on the wall as picture (2).

c. Hook the bottom first and then push the up hook in as picture (3).

d. Lock the up hook with screw as picture (4).

The distance of hanging hole is as follows:

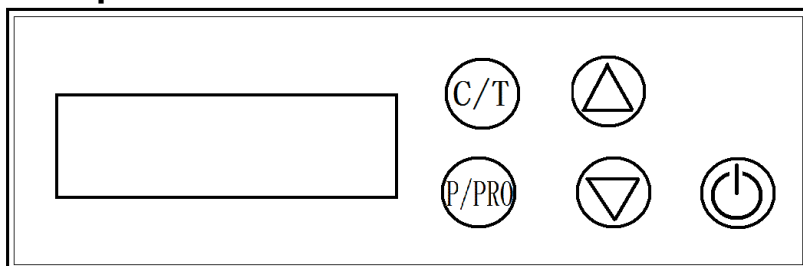
Item	HPB-4E
M(mm)	620
L(mm)	207

INSTRUCTIONS FOR USE

Warning before using the heater make sure that it is mounted tightly on the wall. Damage may occur if it is mounted on an incline or decline.

1. Control panel and LCD screen

Control panel:



There are total 5 buttons on the control box as follows:



-----Power stand by button



-----Date and time settings;
Room temperature setting



-----Select running mode;
Set program

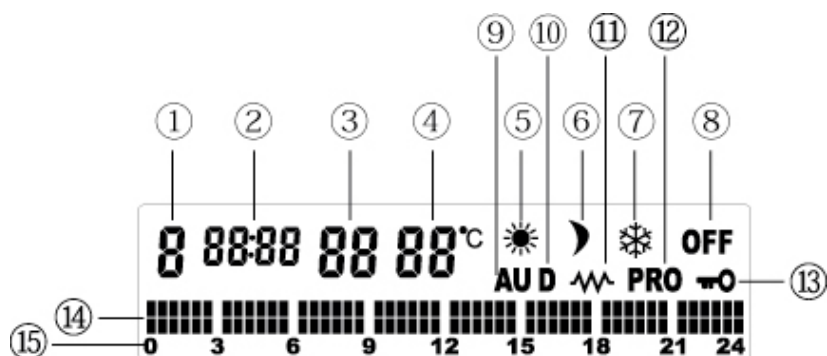


-----Increasing of time, temperature;
Selecting working mode



-----Decreasing of time, temperature;
Selecting working mode

Screen:



- ① Date ② Time ③ Program name ④ Target temperature ⑤ Comfort

- ⑥ Economic ⑦ Anti-frost ⑧ OFF ⑨ weekly program running mode
 ⑩ daily program running mode ⑪ heating ⑫ program setting ⑬ lock
 ⑭ program contents ⑮ solid time mark

2. Rationale:

- (1) There are 3 working modes: comfort , economic  and anti-frost  (5°C) .
- (2) There are in total 11 programs:
 - a. 9 daily programs(**P1-P9**)
 - b. weekly program(**AU**)
 - c. free program(**Fr**)
- (3) there are 3 running modes for you to select:
 - a. daily program running mode(**D**)
 - b. weekly program running mode(**AU**)
 - c. free program running mode(**Fr**)
- (4) every day(24hours) is divided into 48 segments evenly. Every segment will be filled in with one working mode to combine a daily program or free program. (All the settings for daily program will be kept in memory by the unit. All the settings for free program will not be kept in memory and will finally return back to anti-frost mode after running). Select one daily program (from daily programs **P1-P9**) for every day in a week to combine a weekly program.

3. Turn on at the plug and switch on the unit. Press  to start the display.

4. Set time

Press , the date will start to flash. Press  or  to select date (1-Monday, 2-Tuesday, 3-Wednesday, 4-Thursday, 5-Friday, 6-Saturday, 7-Sunday). Press  again the hour starts to flash. Press   to select hours. Press  again, the minutes start to flash. Press   to select minute. Finally confirm it by .

5. Set target temperature

Press & hold  (for approximately 3 seconds) the original comfort target temperature and comfort mark  will start to flash (which means you are setting the comfort target temperature). Press   to select a new comfort target temperature. Press  again the original economic target temperature and economic mark  will start to flash (which means you are setting the economic target temperature). Press   to select the new economic target temperature. Confirm it by pressing .

Note: range of comfort target temperature is 10°C - 50°C. Economic target temperature minimum: 5°C maximum: 3°C less than the comfort target temperature. Anti-frost temperature is 5°C which is not adjustable.

6. Select running mode

Press , then press  or  to select running mode as follows (showing on screen):

- a. **P1-P9** plus **D** :daily program running mode
(Every day will repeat this program as running mode.)
- b. **Fr** : free running mode
(You may set a program for today use. Then it will return to anti-frost mode automatically after using.)
- c. **AU**: weekly program running mode
(Every day will run the relevant daily program as selected, while setting and repeating weekly).

Then confirm it with .

7. Set daily program and weekly program

Confirm the current running mode is daily or weekly program. (if not, please adjust it by the method of running mode selection).

Press & Hold  (for approximately 3 seconds), “Pro” will flash which means you are ready to set the program. (during this period, unit will stop heating)

(1) Set daily program

Press  to select daily program(**P1-P9**). At this moment, time will return to **00:00** and first segment of program contents start to flash (this means you will adjust this daily program from beginning of a day. Every segment means half hour). Press  to select working mode ( and  mean comfort;  and  mean economic;  and  mean anti-frost), then press  to copy the working mode one segment by one segment. Then press  to confirm it and it will get into next daily program setting automatically.

(2) set weekly program:

Press  to get into the weekly program setting. “AU” is shown and program name start to flash. Press   to select daily program(P1-P9) for this date. Press  to confirm it and meanwhile get into next date automatically.

Press & hold  (for approximately 3 seconds) to finish the program setting and unit return to normal running.

8. Set free program

Confirm the current running mode is free program. (if not, please adjust it by the method of running mode selection).

Press & Hold  (for approximately 3 seconds), “Pro” will flash which

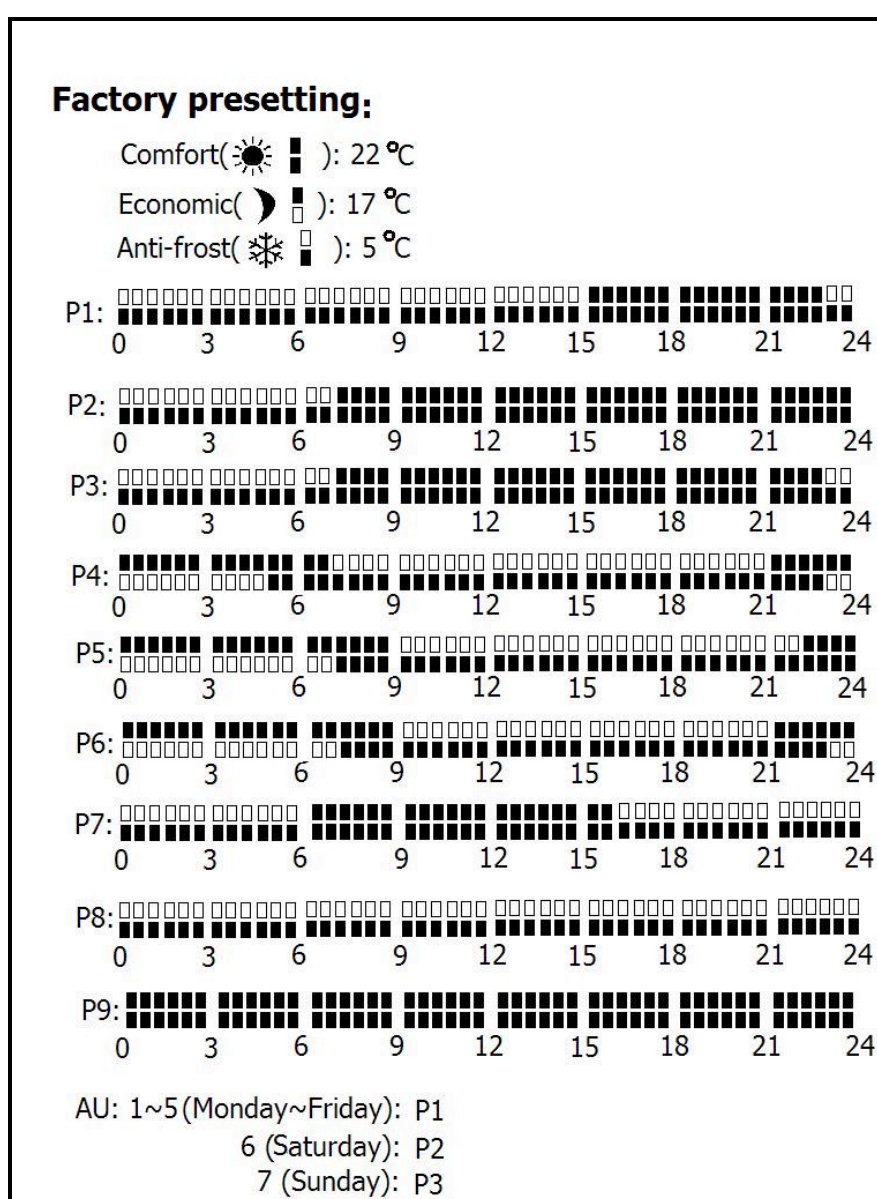
means you are ready to set the program (during this period, unit will stop heating)

Press  to select working mode ( and  mean comfort;  and  mean economic;  and  mean anti-frost), then press  to copy the working mode one segment by one segment. Press & Hold  (for approximately 3 seconds) to finish the program setting and unit will return to normal running.

Note: the contents of free program will not be kept in the memory and will return to anti-frost working mode after running.

9. Factory pre-setting: (See below)

The unit is with a factory pre-setting as follows:



Please see the explanation below these are the times the heater operates in comfort mode:

- P1 3.00pm – 11.00pm
- P2 7.00am – 12.00(Midnight)
- P3 7.00am – 11.00pm
- P4 5.00am – 7.00am then 9.00pm – 11.00pm
- P5 7.00am – 9.00am then 10.00pm – Midnight
- P6 7.00am – 9.00am then 9.00pm – 11.00pm
- P7 6.00am – 4.00pm
- P8 Frost Mode Only
- P9 Constant 24 hours

N.B When choosing a program For Example P4. The unit will heat on comfort temperature 5.00am – 7.00am and then again at 9.00pm – 11.00pm. From 11.00pm – 5.00am it will be on economic setting. From 7.00am – 9.00pm it will be on Anti Frost setting.

All these pre-settings can be altered with the method mentioned in chapter 7 and will be kept in memory as new settings.

If you want to return to a factory pre-setting, please operate as follows:

- a. switch off the unit with power switch
- b. Press the button  continuously for about 7 seconds, the unit will call back the factory pre-setting. Then you can release the button .

10. Other notes:

- (1) The screen will become dull after 1 minute when no buttons are pressed. It will extinguish after 1 minute if you didn't press any button. It will light up if you press any button.
- (2) Unit has a button lock function. The buttons will be locked () after 1 minute if none of the buttons are pressed.
To unlock: press  and  at same time for 3 seconds.
- (3) Time will reset to **00:00** if you unplugged unit or cut off the power.
- (4) This heater includes an overheat protection system that shuts off the heater when parts of the heater are getting excessively hot.

MAINTENANCE

1. Always remove the plug from the socket-outlet and allow the heater to cool down before clean it.
2. Wipe the exterior surface of the heater occasionally with a soft damp cloth (not dripping wet) and dry the exterior surface before operating the heater.

WARNING:

Do not immerse the heater in water.

Do not use any cleaning chemicals such as detergents and abrasives.

Do not allow the interior to get wet as this could create a hazard.

3. Light dirt accumulation may be removed from the heater with a soft dry cloth.

4. To store the heater, put the heater back into its original package and store it in a clean dry place.
5. In case of malfunction or doubt, do not try to repair the heater yourself, it may result in a fire hazard or electric shock.

CONFORMITY WITH DIRECTIVES

This product is CE marked to denote conformity with Directives 73/23/EEC (Low Voltage) and 89/336/EEC (Electromagnetic Compatibility), as amended.

Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or retailer for recycling advice.

